REMARKS/ARGUMENTS

Claims 1-9 are currently pending in this application. The specification has been amended to fix a typographical error. Claims 4 and 9 have also been amended to fix typographical errors and for consistency. No new matter has been introduced into the application by these amendments.

Claim Rejections

Claims 1-9 are rejected under 35 U.S.C. §112 as failing to comply with the enablement requirement. These rejections are respectfully traversed as follows.

The specification and drawings (FIG. 1A and FIG. 1B) clearly define a dynamic resource allocation method that employs a novel search technique to determine a sub-optimal time slot assignment solution with low computational complexity. The described embodiment varies the weights given to interference and fragmentation by varying the weight of the "figure of merit." One skilled in the art would clearly understand that sequences ordering the available timeslots are determined based on altering the weight of the figure of merit and arranging the time slots in order of decreasing figure of merit; (see Paragraphs 0025-0031 of the present specification).

Parameter "k" represents a given low fragmentation sequence; (all k being

the number of low fragmentation sequences that are tried); and parameter "m" represents a given low interference sequence; (all m being the number of low interference sequences tried); (see Paragraphs 0026-0025 of the present specification). It is also clear that α represents the weight of interference signal code power (ISCP) (in other words, the interference factor) and that β represents the weight of the number of assigned resource units that can be used by the CCTrCH (in other words, the fragmentation factor). The slot sequences, which are a group of timeslots in a specific order, are generated by applying k+m+1 pairs of α and β values as set forth in Paragraph 0025 of the present specification.

In the described embodiment, if α is held constant (equal to 1) and β is increased, this will result in sequences that favor low fragmentation. Alternatively, if β is held constant (equal to 1) while α is increased, this will result in sequences that favor low interference. If the slot selection for all slot sequences has been performed and if there is at least one sequence generated as an assignment solution, the one with the lowest weighted interference value is selected as the best solution; (see Paragraph 0045 of the present invention as well as Figures. 1A and Fig. 1B).

It is respectfully submitted that the claims are clearly enabled. Accordingly, withdrawal of the pending rejections is respectfully requested.

Conclusion

If the Examiner believes that any additional minor formal matters need to be addressed in order to place this application in condition for allowance, or that a telephone interview will help to materially advance the prosecution of this application, the Examiner is invited to contact the undersigned by telephone at the Examiner's convenience.

In view of the foregoing amendments and remarks, Applicants respectfully submit that the present application, including claims 1 - 9, is in condition for allowance and a notice to that effect is respectfully requested.

Respectfully submitted,

Zhang et al.

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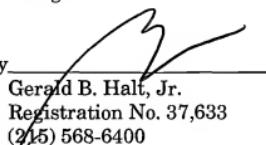
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